

Serial Number 09/818304

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| 69    | ((385/37.ccls. and waveguide) and etch\$5) and manufactur\$5) and crystal   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 9:07  |
| 688   | ((385/\$.ccls. and waveguide) and etch\$5) and manufactur\$5) and crystal   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 9:09  |
| 0     | 8 and photolithogragph\$5   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 9:09  |
| 0     | 8 and lithogragph\$5  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 9:10  |
| 109   | 8 and lithography   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 9:12  |
| 109   | 19 and optical  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:42 |
| 6     | 5619369.URPN.   | USPAT                    | 9/4/02 11:33 |
| 16    | ("4102560"   "4914667"   "5033812"   "5036220"   "5064265"   "5121250"   "5128948"   "5157537"   "5185752"   "5243676"   "5249191"   "5285508"   "5303247"   "5357533"   "5373575"   "5387998").PN. | USPAT                    | 9/4/02 11:34 |
| 21003 | 385/\$.ccls.  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:43 |
| 1366  | 23 and concave  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:43 |
| 463   | 24 and fill\$5  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:43 |
| 400   | 25 and differ\$5  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:47 |
| 293   | 26 and index  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:47 |
| 278   | 27 and refract\$5   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:47 |
| 200   | 28 and layer  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 11:48 |
| 109   | 29 and etch\$5  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:14 |
| 109   | 29 and etch\$5  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:17 |
| 20    | 31 and rod\$5   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:22 |
| 0     | 20010033409.URPN.   | USPAT                    | 9/4/02 13:20 |
| 16    | 28 and sandwich   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:23 |
| 54    | 28 and cylinder   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:27 |
| 65452 | 359/\$.ccls.  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:27 |
| 295   | etch\$4 near5 circle  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:28 |
| 44    | 43 and refractive   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:51 |
| 19    | 4797316.URPN.   | USPAT                    | 9/4/02 13:38 |
| 5     | 5895582.URPN.   | USPAT                    | 9/4/02 13:42 |
| 16    | ("4267000"   "4451329"   "4544443"   "4655876"   "4797316"   "4818648"   "4833001"   "4869778"   "4983246"   "4996622"   "5082709"   "5087481"   "5093173"   "5131977"   "5242544"   "5499731").PN. | USPAT                    | 9/4/02 13:44 |
| 1367  | 42 and lithograph\$3  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:51 |
| 771   | 48 and etch\$3  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:52 |
| 628   | 49 and layer  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:53 |
| 589   | 50 and differen\$4  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:53 |
| 222   | 51 and fill\$4  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:54 |
| 0     | 52 and cylidrical   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 13:54 |
| 42    | 52 and concave  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 15:15 |
| 0     | 6404555.URPN.   | USPAT                    | 9/4/02 13:59 |
| 12    | ("5512219"   "5543942"   "5734190"   "5770120"   "5871653"   "5969867"   "5981630"   "6069740"   "6113801"   "6129866"   "6297911"   "6304387").PN.   | USPAT                    | 9/4/02 13:59 |

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|---|--------------------------|---------------|
| 5 5132751.URPN.                                     | USPAT                    | 9/4/02 14:20  |
| 132 42 and etch\$5 near3 shape                      | USPAT; US-PGPUB; IBM_TDB | 9/4/02 15:16  |
| 7 58 and cylinder                                   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 15:55  |
| ("4530736"   "4813762"   "5079130"                  |                          |               |
| 4 "5286338").PN.                                    | USPAT                    | 9/4/02 15:50  |
| 39 58 and sputter\$3                                | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:32  |
| 8 58 and lift near2 off                             | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:35  |
| ("4280756"   "4441791"   "5212582"   "5285196"      |                          |               |
| "5311360"   "5382961"   "5416375"   "5444566"       |                          |               |
| "5504026"   "5526951"   "5535047"   "5550090"       |                          |               |
| "5579151"   "5583688"   "5600197"   "5608282"       |                          |               |
| "5616982"   "5629794"   "5629918"   "5631782"       |                          |               |
| 23 "5640479"   "5774252"   "5808781").PN.           | USPAT                    | 9/4/02 16:34  |
| 18870 lift near2 off                                | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:36  |
| 1892535 64 adj method\$2                            | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:37  |
| 1333 64 adj method\$2                               | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:37  |
| 1206 64 adj method\$2 and etch\$4                   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:46  |
| 240 67 and lithography                              | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:46  |
| 6 68 and photonic                                   | USPAT; US-PGPUB; IBM_TDB | 9/4/02 16:46  |
| 289 photonic near4 crystal                          | USPAT; US-PGPUB; IBM_TDB | 8/29/02 8:03  |
| 42 (photonic near4 crystal) same manufactur\$5      | USPAT; US-PGPUB; IBM_TDB | 8/20/02 13:46 |
| 8 ((photonic near4 crystal) same manufactur\$5) and | USPAT; US-PGPUB; IBM_TDB | 8/21/02 10:23 |
| 8 ((photonic near4 crystal) same manufactur\$5) and | USPAT; US-PGPUB; IBM_TDB | 8/21/02 10:27 |
| 50537 photolithograph\$3                            | USPAT; US-PGPUB; IBM_TDB | 8/21/02 10:27 |
| 0 photolithograph\$3 and micrfabrication            | USPAT; US-PGPUB; IBM_TDB | 8/21/02 10:27 |
| 1019 photolithograph\$3 and microfabrication        | USPAT; US-PGPUB; IBM_TDB | 8/21/02 10:27 |
| 49 (photolithograph\$3 and microfabrication) and    | USPAT; US-PGPUB; IBM_TDB | 8/21/02 10:28 |
| 40 ((photolithograph\$3 and microfabrication) and   | USPAT; US-PGPUB; IBM_TDB | 8/21/02 13:51 |
| 27 5393375.URPN.                                    | USPAT                    | 8/21/02 13:36 |
| 16 5846849.URPN.                                    | USPAT                    | 8/21/02 13:49 |
| 455 257/417.ccls.                                   | USPAT; US-PGPUB; IBM_TDB | 8/21/02 13:51 |
| 2 257/417.ccls. and photonic                        | USPAT; US-PGPUB; IBM_TDB | 8/21/02 13:56 |
| 12 (("5771062") or ("5528279") or ("5781323") or    | USPAT; US-PGPUB; IBM_TDB | 8/28/02 8:45  |
| 0 ("9597423.sn.").PN.                               | USPAT; US-PGPUB; IBM_TDB | 8/28/02 8:45  |
| 301 photonic near4 crystal                          | USPAT; US-PGPUB; IBM_TDB | 8/29/02 8:15  |
| 102 359/192.ccls.                                   | USPAT; US-PGPUB; IBM_TDB | 9/3/02 14:58  |
| 102 359/192.ccls.                                   | USPAT; US-PGPUB; IBM_TDB | 9/3/02 17:17  |
| 1369 385/37.ccls.                                   | USPAT; US-PGPUB; IBM_TDB | 9/3/02 17:17  |
| 1034 385/37.ccls. and waveguide                     | USPAT; US-PGPUB; IBM_TDB | 9/3/02 17:17  |
| 432 (385/37.ccls. and waveguide) and etch\$5        | USPAT; US-PGPUB; IBM_TDB | 9/3/02 17:17  |
| 238 ((385/37.ccls. and waveguide) and etch\$5) and  | USPAT; US-PGPUB; IBM_TDB | 9/3/02 17:18  |
| 69 (((385/37.ccls. and waveguide) and etch\$5) and  | USPAT; US-PGPUB; IBM_TDB | 9/4/02 8:13   |
| 5 5357591.URPN.                                     | USPAT                    | 9/3/02 17:24  |